

Applicant : Anthony R. Carson, et al.  
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Amendments to the Specification:

Please replace the abstract beginning at page 17, line 1 with the following amended paragraph:

~~Described is a~~A system and method for transmitting data on a power transmission line ~~that~~ transmits power in the form of time-varying voltage and current. Data is transmitted by using micro electromagnetic pulses to modulate the electric field, which is present around the power transmission line as a result of the time-varying current.